

## Appendix E

**Table E6. World Total Other Fuel Consumption for Transportation by Region, Reference Case, 1990-2020**  
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>2.6</b>
United States <sup>a</sup> . . . . .	0.5	0.5	0.6	0.7	0.7	0.8	1.0	2.4
Canada. . . . .	0.0	0.0	0.0	0.0	0.0	0.1	0.1	6.4
Mexico . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Western Europe . . . . .	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.6</b>
United Kingdom . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
France . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Germany. . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Italy. . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
Netherlands . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Other Western Europe. . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Industrialized Asia . . . . .	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.9</b>
Japan . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7
Australasia . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.1	1.3
<b>Total Industrialized</b> . . . . .	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.5</b>	<b>2.0</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	0.3	0.1	0.1	0.1	0.2	0.2	0.2	3.8
Eastern Europe . . . . .	0.0	0.0	0.0	0.0	0.1	0.1	0.1	1.0
<b>Total EE/FSU</b> . . . . .	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>3.1</b>
<b>Developing Countries</b>								
Developing Asia . . . . .	<b>0.3</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>1.5</b>
China. . . . .	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.1
India . . . . .	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5
South Korea . . . . .	0.0	0.1	0.1	0.1	0.1	0.1	0.1	1.8
Other Asia . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
Middle East . . . . .	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>
Turkey . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Other Middle East . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Africa . . . . .	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>2.0</b>
Central and South America . . .	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>3.1</b>
Brazil . . . . .	0.1	0.2	0.2	0.2	0.3	0.3	0.4	3.3
Other Central/South America . .	0.0	0.1	0.1	0.1	0.1	0.1	0.1	2.4
<b>Total Developing</b> . . . . .	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>2.3</b>
<b>Total World</b> . . . . .	<b>1.6</b>	<b>1.6</b>	<b>1.7</b>	<b>1.9</b>	<b>2.1</b>	<b>2.4</b>	<b>2.7</b>	<b>2.2</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1999*, DOE/EIA-0219(99) (Washington, DC, February 2001). **Projections:** EIA, *Annual Energy Outlook 2002*, DOE/EIA-0383(2002) (Washington, DC, December 2001), Table A2; and World Energy Projection System (2002).

**Table E7. World Total Road Use Energy Consumption by Region, Reference Case, 1990-2020**  
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	<b>9.9</b>	<b>11.7</b>	<b>12.1</b>	<b>14.3</b>	<b>16.0</b>	<b>17.6</b>	<b>18.9</b>	<b>2.1</b>
United States <sup>a</sup> . . . . .	8.7	10.3	10.6	12.3	13.7	14.9	15.9	1.9
Canada. . . . .	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.4
Mexico . . . . .	0.6	0.7	0.7	1.1	1.4	1.6	1.9	5.0
Western Europe . . . . .	<b>4.7</b>	<b>5.5</b>	<b>5.4</b>	<b>5.8</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>0.7</b>
United Kingdom . . . . .	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0
France . . . . .	0.8	0.8	0.8	0.9	0.9	1.0	1.0	0.9
Germany. . . . .	1.1	1.3	1.3	1.3	1.4	1.4	1.4	0.7
Italy. . . . .	0.6	0.8	0.8	0.8	0.8	0.9	0.9	0.4
Netherlands . . . . .	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8
Other Western Europe. . . . .	1.2	1.6	1.6	1.7	1.7	1.7	1.8	0.6
Industrialized Asia . . . . .	<b>1.6</b>	<b>2.1</b>	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>	<b>2.4</b>	<b>2.5</b>	<b>0.7</b>
Japan . . . . .	1.2	1.6	1.6	1.7	1.7	1.8	1.8	0.5
Australasia . . . . .	0.4	0.5	0.5	0.6	0.6	0.6	0.7	1.3
<b>Total Industrialized</b> . . . . .	<b>16.2</b>	<b>19.3</b>	<b>19.6</b>	<b>22.3</b>	<b>24.4</b>	<b>26.1</b>	<b>27.6</b>	<b>1.6</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	1.6	1.1	1.0	1.4	1.7	1.9	2.1	3.3
Eastern Europe . . . . .	0.5	0.5	0.5	0.7	0.8	0.8	0.9	2.3
<b>Total EE/FSU</b> . . . . .	<b>2.1</b>	<b>1.6</b>	<b>1.6</b>	<b>2.1</b>	<b>2.5</b>	<b>2.8</b>	<b>2.9</b>	<b>3.0</b>
<b>Developing Countries</b>								
Developing Asia . . . . .	<b>2.0</b>	<b>3.7</b>	<b>3.8</b>	<b>5.4</b>	<b>7.1</b>	<b>9.4</b>	<b>11.2</b>	<b>5.2</b>
China. . . . .	0.5	0.9	1.0	1.5	2.2	3.3	4.5	7.6
India . . . . .	0.4	0.7	0.8	1.3	1.9	2.8	3.2	7.0
South Korea . . . . .	0.2	0.4	0.4	0.5	0.6	0.6	0.7	2.7
Other Asia . . . . .	0.9	1.7	1.7	2.1	2.4	2.7	2.8	2.4
Middle East . . . . .	<b>1.1</b>	<b>1.4</b>	<b>1.4</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>0.2</b>
Turkey . . . . .	0.2	0.2	0.2	0.2	0.3	0.3	0.3	1.8
Other Middle East . . . . .	0.9	1.2	1.2	1.2	1.2	1.2	1.2	-0.1
Africa . . . . .	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.3</b>	<b>1.4</b>	<b>1.6</b>	<b>2.9</b>
Central and South America . . .	<b>1.6</b>	<b>2.1</b>	<b>2.1</b>	<b>2.3</b>	<b>2.8</b>	<b>3.3</b>	<b>4.1</b>	<b>3.2</b>
Brazil . . . . .	0.7	0.9	0.9	1.0	1.1	1.2	1.4	2.2
Other Central/South America . .	0.9	1.2	1.2	1.4	1.7	2.1	2.7	3.8
<b>Total Developing</b> . . . . .	<b>5.4</b>	<b>8.0</b>	<b>8.2</b>	<b>10.3</b>	<b>12.6</b>	<b>15.6</b>	<b>18.3</b>	<b>3.9</b>
<b>Total World</b> . . . . .	<b>23.7</b>	<b>28.9</b>	<b>29.4</b>	<b>34.8</b>	<b>39.5</b>	<b>44.5</b>	<b>48.9</b>	<b>2.4</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1999*, DOE/EIA-0219(99) (Washington, DC, February 2001). **Projections:** EIA, World Energy Projection System (2002).

## Appendix E

**Table E8. World Total Air Use Energy Consumption by Region, Reference Case, 1990-2020**  
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	<b>1.6</b>	<b>1.8</b>	<b>1.8</b>	<b>2.1</b>	<b>2.4</b>	<b>2.8</b>	<b>3.3</b>	<b>2.9</b>
United States <sup>a</sup> . . . . .	1.5	1.6	1.7	1.9	2.2	2.5	2.8	2.5
Canada. . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.5
Mexico . . . . .	0.0	0.1	0.1	0.1	0.1	0.2	0.4	9.7
Western Europe . . . . .	<b>0.6</b>	<b>0.9</b>	<b>0.8</b>	<b>1.1</b>	<b>1.3</b>	<b>1.5</b>	<b>1.7</b>	<b>3.4</b>
United Kingdom . . . . .	0.1	0.2	0.2	0.2	0.3	0.3	0.4	3.5
France . . . . .	0.1	0.1	0.1	0.1	0.2	0.2	0.2	3.1
Germany. . . . .	0.1	0.1	0.1	0.2	0.2	0.2	0.2	3.0
Italy. . . . .	0.0	0.1	0.1	0.1	0.1	0.1	0.1	3.5
Netherlands . . . . .	0.0	0.1	0.1	0.1	0.1	0.1	0.1	3.2
Other Western Europe. . . . .	0.2	0.3	0.3	0.4	0.4	0.5	0.6	3.7
Industrialized Asia . . . . .	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>3.1</b>
Japan . . . . .	0.1	0.2	0.2	0.2	0.3	0.3	0.3	2.4
Australasia . . . . .	0.1	0.1	0.1	0.1	0.2	0.2	0.2	4.3
<b>Total Industrialized</b> . . . . .	<b>2.4</b>	<b>3.0</b>	<b>3.0</b>	<b>3.5</b>	<b>4.1</b>	<b>4.8</b>	<b>5.7</b>	<b>3.1</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	0.5	0.3	0.3	0.3	0.4	0.6	0.7	4.8
Eastern Europe . . . . .	0.0	0.0	0.0	0.0	0.1	0.1	0.1	7.6
<b>Total EE/FSU</b> . . . . .	<b>0.6</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>0.7</b>	<b>0.8</b>	<b>5.2</b>
<b>Developing Countries</b>								
Developing Asia . . . . .	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.8</b>	<b>1.1</b>	<b>1.6</b>	<b>2.1</b>	<b>6.9</b>
China. . . . .	0.1	0.1	0.1	0.1	0.2	0.3	0.3	6.2
India . . . . .	0.0	0.0	0.0	0.1	0.1	0.2	0.3	9.1
South Korea . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.2	5.9
Other Asia . . . . .	0.2	0.3	0.3	0.5	0.7	1.0	1.3	6.9
Middle East . . . . .	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>2.3</b>
Turkey . . . . .	0.0	0.0	0.0	0.0	0.1	0.1	0.1	4.8
Other Middle East . . . . .	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6
Africa . . . . .	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>5.1</b>
Central and South America . . .	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>4.7</b>
Brazil . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.1	5.4
Other Central/South America . .	0.1	0.1	0.1	0.2	0.2	0.3	0.3	4.4
<b>Total Developing</b> . . . . .	<b>0.8</b>	<b>1.0</b>	<b>1.0</b>	<b>1.4</b>	<b>1.9</b>	<b>2.5</b>	<b>3.3</b>	<b>5.7</b>
<b>Total World</b> . . . . .	<b>3.8</b>	<b>4.2</b>	<b>4.3</b>	<b>5.3</b>	<b>6.5</b>	<b>8.0</b>	<b>9.8</b>	<b>4.0</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1999*, DOE/EIA-0219(99) (Washington, DC, February 2001). **Projections:** EIA, World Energy Projection System (2002).

**Table E9. World Total Other Transportation Use Energy Consumption by Region, Reference Case, 1990-2020**  
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	1.3	1.1	1.2	1.3	1.3	1.3	1.4	0.8
United States <sup>a</sup> . . . . .	1.2	1.0	1.0	1.1	1.1	1.2	1.2	0.7
Canada. . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0
Mexico . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
Western Europe . . . . .	1.1	1.2	1.2	1.3	1.3	1.3	1.3	0.4
United Kingdom . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
France . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Germany . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
Italy. . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
Netherlands . . . . .	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Other Western Europe. . . . .	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.5
Industrialized Asia . . . . .	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.7
Japan . . . . .	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
Australasia . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Total Industrialized . . . . .	2.7	2.7	2.7	2.9	2.9	3.0	3.1	0.6
<b>EE/FSU</b>								
Former Soviet Union . . . . .	0.9	0.2	0.2	0.2	0.2	0.1	0.1	-2.5
Eastern Europe . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5
Total EE/FSU . . . . .	1.0	0.3	0.3	0.3	0.3	0.2	0.2	-1.0
<b>Developing Countries</b>								
Developing Asia . . . . .	0.9	1.3	1.4	1.6	1.8	2.0	2.3	2.5
China. . . . .	0.3	0.5	0.5	0.6	0.8	0.9	1.1	3.4
India . . . . .	0.1	0.1	0.1	0.1	0.0	0.0	0.0	-3.1
South Korea . . . . .	0.1	0.2	0.2	0.3	0.3	0.3	0.3	1.7
Other Asia . . . . .	0.3	0.6	0.6	0.6	0.7	0.8	0.9	2.1
Middle East . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7
Turkey . . . . .	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Other Middle East . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8
Africa . . . . .	0.1	0.2	0.2	0.2	0.2	0.3	0.3	1.2
Central and South America . . .	0.2	0.3	0.3	0.3	0.3	0.3	0.4	1.4
Brazil . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3
Other Central/South America . .	0.1	0.2	0.2	0.2	0.2	0.2	0.2	1.5
Total Developing . . . . .	1.3	1.9	2.0	2.2	2.4	2.7	3.0	2.1
<b>Total World</b> . . . . .	<b>5.0</b>	<b>4.9</b>	<b>5.0</b>	<b>5.3</b>	<b>5.6</b>	<b>6.0</b>	<b>6.4</b>	<b>1.2</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1999*, DOE/EIA-0219(99) (Washington, DC, February 2001). **Projections:** EIA, World Energy Projection System (2002).

## Appendix E

**Table E10. World Per Capita Vehicle Ownership (Motorization) by Region, Reference Case, 1990-2020**  
 (Vehicles per Thousand Population)

Region/Country	History (Estimates)			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	<b>601</b>	<b>612</b>	<b>614</b>	<b>630</b>	<b>645</b>	<b>664</b>	<b>689</b>	<b>0.5</b>
United States <sup>a</sup> . . . . .	765	775	777	787	792	795	797	0.1
Canada. . . . .	596	598	607	646	665	678	686	0.6
Mexico . . . . .	119	154	158	201	251	318	410	4.6
Western Europe . . . . .	<b>473</b>	<b>522</b>	<b>528</b>	<b>553</b>	<b>568</b>	<b>582</b>	<b>597</b>	<b>0.6</b>
United Kingdom . . . . .	457	509	517	552	569	580	587	0.6
France . . . . .	502	552	560	598	617	629	636	0.6
Germany . . . . .	485	551	559	592	609	619	626	0.5
Italy. . . . .	525	603	612	649	667	679	687	0.6
Netherlands . . . . .	385	428	435	462	476	485	490	0.6
Other Western Europe. . . . .	384	445	450	471	481	488	492	0.4
Industrialized Asia . . . . .	<b>638</b>	<b>608</b>	<b>615</b>	<b>648</b>	<b>667</b>	<b>684</b>	<b>702</b>	<b>0.6</b>
Japan . . . . .	467	562	569	603	620	631	638	0.5
Australasia . . . . .	617	637	642	666	678	686	691	0.4
<b>Total Industrialized</b> . . . . .	<b>638</b>	<b>608</b>	<b>615</b>	<b>648</b>	<b>667</b>	<b>684</b>	<b>702</b>	<b>0.6</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	357	128	134	162	176	184	190	1.7
Eastern Europe . . . . .	213	209	217	251	269	280	287	1.4
<b>Total EE/FSU</b> . . . . .	<b>314</b>	<b>152</b>	<b>158</b>	<b>188</b>	<b>203</b>	<b>212</b>	<b>218</b>	<b>1.5</b>
<b>Developing Countries</b>								
Developing Asia . . . . .	<b>10</b>	<b>19</b>	<b>20</b>	<b>28</b>	<b>35</b>	<b>44</b>	<b>53</b>	<b>4.6</b>
China. . . . .	5	11	12	18	27	40	52	7.5
India . . . . .	5	9	10	15	22	33	44	7.6
South Korea . . . . .	79	250	268	344	382	407	422	2.2
Other Asia . . . . .	18	30	32	40	43	46	47	1.9
Middle East . . . . .	<b>38</b>	<b>56</b>	<b>57</b>	<b>68</b>	<b>80</b>	<b>98</b>	<b>124</b>	<b>3.8</b>
Turkey . . . . .	42	80	83	100	108	114	117	1.6
Other Middle East . . . . .	37	50	50	60	73	94	126	4.5
Africa . . . . .	<b>24</b>	<b>25</b>	<b>26</b>	<b>30</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>1.3</b>
Central and South America . . .	<b>78</b>	<b>99</b>	<b>100</b>	<b>126</b>	<b>155</b>	<b>191</b>	<b>236</b>	<b>4.2</b>
Brazil . . . . .	81	101	101	131	163	201	248	4.4
Other Central/South America . .	58	75	75	93	112	134	160	3.7
<b>Total Developing</b> . . . . .	<b>21</b>	<b>31</b>	<b>32</b>	<b>41</b>	<b>50</b>	<b>61</b>	<b>73</b>	<b>4.0</b>
<b>Total World</b> . . . . .	<b>124</b>	<b>121</b>	<b>122</b>	<b>130</b>	<b>136</b>	<b>143</b>	<b>150</b>	<b>1.0</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from American Automobile Manufacturers Association, *World Motor Vehicle Data* (Detroit, MI, 1997).

**Projections:** Energy Information Administration, World Energy Projection System (2002).

**Table E11. World Per Capita Transportation Energy Use by Region, Reference Case, 1990-2020**  
 (Barrels Oil Equivalent per Person)

Region/Country	History (Estimates)			Projections				Average Annual Percent Change, 1999-2020
	1990	1998	1999	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
North America . . . . .	<b>12.8</b>	<b>13.5</b>	<b>13.8</b>	<b>15.1</b>	<b>16.1</b>	<b>17.1</b>	<b>17.8</b>	<b>1.2</b>
United States <sup>a</sup> . . . . .	16.3	17.4	17.8	19.4	20.6	21.7	22.4	1.1
Canada. . . . .	11.7	12.0	12.4	13.0	13.5	13.8	14.1	0.6
Mexico . . . . .	2.7	2.8	2.9	4.2	5.1	5.9	6.8	4.2
Western Europe . . . . .	<b>6.1</b>	<b>6.8</b>	<b>7.0</b>	<b>7.6</b>	<b>8.0</b>	<b>8.4</b>	<b>8.7</b>	<b>1.1</b>
United Kingdom . . . . .	6.5	6.7	6.7	7.4	7.9	8.4	8.9	1.3
France . . . . .	6.3	6.4	6.4	6.9	7.2	7.5	7.7	0.9
Germany. . . . .	6.0	6.1	6.7	7.3	7.6	8.0	8.3	1.0
Italy. . . . .	4.9	5.4	5.9	6.3	6.6	6.9	7.3	1.0
Netherlands . . . . .	10.4	11.7	12.2	12.8	13.3	13.8	14.3	0.8
Other Western Europe. . . . .	6.0	7.5	7.5	8.1	8.5	9.0	9.4	1.1
Industrialized Asia . . . . .	<b>5.2</b>	<b>6.1</b>	<b>6.5</b>	<b>6.9</b>	<b>7.3</b>	<b>7.6</b>	<b>8.0</b>	<b>0.9</b>
Japan . . . . .	4.6	5.6	5.9	6.2	6.5	6.7	7.0	0.8
Australasia . . . . .	8.6	8.8	9.6	10.2	10.7	11.2	11.8	1.0
<b>Total Industrialized</b> . . . . .	<b>8.7</b>	<b>9.5</b>	<b>9.8</b>	<b>10.8</b>	<b>11.5</b>	<b>12.2</b>	<b>12.9</b>	<b>1.3</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	3.8	1.7	1.9	2.5	2.9	3.4	3.8	3.3
Eastern Europe . . . . .	1.7	1.9	2.0	2.5	2.9	3.2	3.5	2.8
<b>Total EE/FSU</b> . . . . .	<b>3.2</b>	<b>1.8</b>	<b>1.9</b>	<b>2.5</b>	<b>2.9</b>	<b>3.4</b>	<b>3.7</b>	<b>3.2</b>
<b>Developing Countries</b>								
Developing Asia . . . . .	<b>0.4</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>1.0</b>	<b>1.2</b>	<b>1.4</b>	<b>3.7</b>
China. . . . .	0.3	0.4	0.5	0.6	0.8	1.2	1.5	5.7
India . . . . .	0.2	0.3	0.3	0.5	0.6	0.9	1.0	5.5
South Korea . . . . .	3.0	5.6	5.1	6.5	7.2	7.7	8.2	2.2
Other Asia . . . . .	0.7	1.0	1.1	1.2	1.3	1.4	1.5	1.7
Middle East . . . . .	<b>2.6</b>	<b>2.6</b>	<b>2.7</b>	<b>2.5</b>	<b>2.3</b>	<b>2.1</b>	<b>2.0</b>	<b>-1.4</b>
Turkey . . . . .	1.3	1.6	1.4	1.5	1.6	1.7	1.7	1.1
Other Middle East . . . . .	3.2	3.0	3.2	2.8	2.5	2.3	2.1	-2.0
Africa . . . . .	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>
Central and South America . . .	<b>2.0</b>	<b>1.9</b>	<b>2.3</b>	<b>2.3</b>	<b>2.6</b>	<b>2.9</b>	<b>3.4</b>	<b>1.9</b>
Brazil . . . . .	2.0	1.9	2.3	2.3	2.5	2.7	3.0	1.2
Other Central/South America . .	2.0	1.9	2.3	2.3	2.6	3.1	3.7	2.2
<b>Total Developing</b> . . . . .	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.1</b>	<b>1.3</b>	<b>1.5</b>	<b>2.4</b>
<b>Total World</b> . . . . .	<b>2.3</b>	<b>2.3</b>	<b>2.4</b>	<b>2.6</b>	<b>2.8</b>	<b>3.0</b>	<b>3.1</b>	<b>1.3</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1999*, DOE/EIA-0219(99) (Washington, DC, February 2001), and United Nations, *World Population Prospects: The 2000 Revision* (New York, NY, 2001). **Projections:** EIA, World Energy Projection System (2002).

